

10/518,543

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	199	548/539.icls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L2	390	548/539.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:19
L3	554	548/557.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:19
L4	339	548/566.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:19
L5	341	548/571.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L6	408	548/578.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L7	365	548/406.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:20
L8	10	l1 and l3	US-PGPUB; USPAT	OR	ON	2006/04/09 11:22
L9	2	l1 and l4	US-PGPUB; USPAT	OR	ON	2006/04/09 11:23
L10	4	l1 and l5	US-PGPUB; USPAT	OR	ON	2006/04/09 11:24
L11	4	l1 and l6	US-PGPUB; USPAT	OR	ON	2006/04/09 11:39
L12	6	l1 and l7	US-PGPUB; USPAT	OR	ON	2006/04/09 11:21
L13	3146	546/208.cc.s.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:21
L14	1217	546/208.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:21
L15	1	l14 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:22
L16	2346	514/422	US-PGPUB; USPAT	OR	ON	2006/04/09 11:39
L17	2292	514/423	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L18	88	514/433	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L19	0	514/433.ccls	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L20	80	514/433.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40
L21	682	514/333.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:40

EAST Search History

L22	2230	514/326.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:41
L23	350	514/426.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/09 11:41
L24	3	l16 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:44
L25	6	l17 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L26	0	l20 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L27	2	l21 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L28	1	l22 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L29	6	l23 and l8	US-PGPUB; USPAT	OR	ON	2006/04/09 11:42
L30	25	l16 and l1	US-PGPUB; USPAT	OR	ON	2006/04/09 11:44

10/518,543 YONG CHU 4-9-2006

\$\$^STN;HighlightOn=;HighlightOff=;

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NEWS	4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2
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NEWS	6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS	7	JAN 17	Pre-1988 INPI data added to MARPAT
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NEWS	13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	15	FEB 27	New STN AnaVist pricing effective March 1, 2006
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NEWS	17	FEB 28	TOXCENTER reloaded with enhancements
NEWS	18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	19	MAR 01	INSPEC reloaded and enhanced
NEWS	20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	21	MAR 08	X.25 communication option no longer available after June 2006
NEWS	22	MAR 22	EMBASE is now updated on a daily basis
NEWS	23	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	24	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	25	APR 04	STN AnaVist \$500 visualization usage credit offered
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*

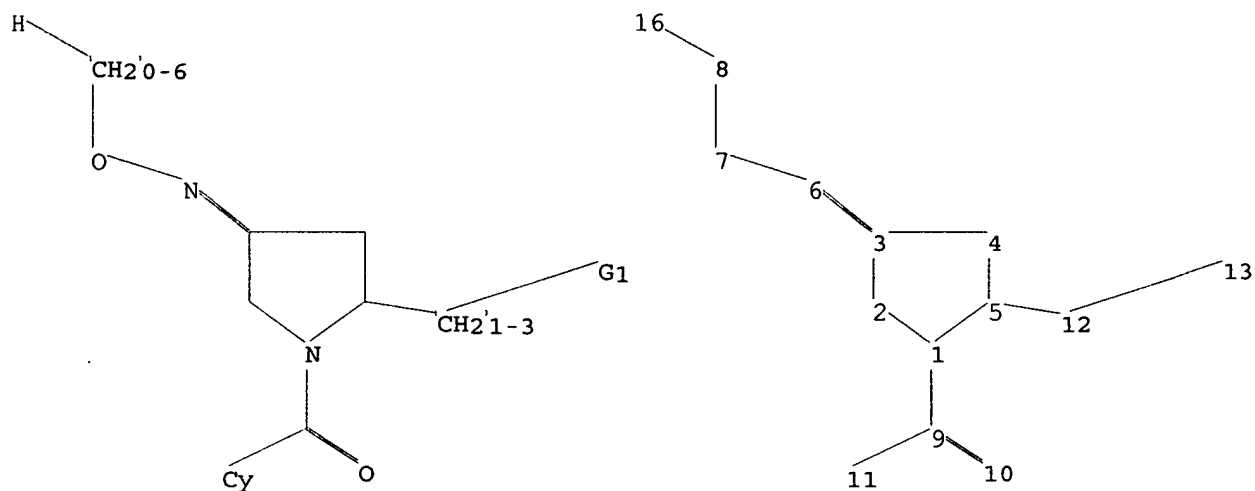
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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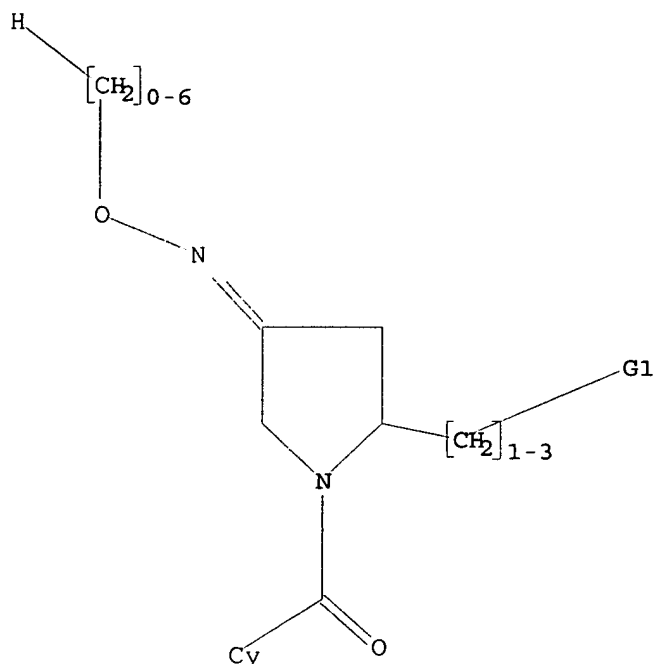
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 6 7 8 9 10 11 12 13, 16
 ring nodes :
 1 2 3 4 5
 chain bonds :
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 ring bonds :
 1-2 1-5 2-3 3-4 4-5
 exact/norm bonds :
 1-2 1-5 1-9 2-3 3-4 3-6 4-5 6-7 9-10 9-11 12-13
 exact bonds :
 5-12 7-8 8-16

G1:O,N

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:Atom 12:CLASS 13:CLASS 16:CLASS
 Generic attributes :
 11:
 Saturation : Unsaturated

L1 STRUCTURE UPLOADED

=> d
 L1 HAS NO ANSWERS
 L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:31:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 40 TO ITERATE

100.0% PROCESSED 40 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 421 TO 1179
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:31:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 871 TO ITERATE

100.0% PROCESSED 871 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.01

L3 18 SEA SSS FUL L1

=> file caplus

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FULL ESTIMATED COST	166.94	167.15

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L4 2 L3

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Assignee?

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:97015 CAPLUS
DOCUMENT NUMBER: 143:267237
TITLE: Method for preparing pyrrolidine oximes
INVENTOR(S): Nadler, William; Pupowicz, Doris
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N. V., Neth.
Antilles
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082848	A2	20050909	WO 2005-EP50852	20050228
WO 2005082848	A3	20051201		

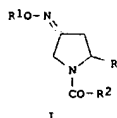
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: EP 2004-100773 A 20040226

OTHER SOURCE(S): MARPAT 143:267237

GI



AB The invention relates to the synthesis of pyrrolidine oximes I [R is (un)substituted 3- or 5-oxadiazolyl, a carbamoyl group or (CH2)1-3-X-R3, where X is O or an imino group and R3 is H, alkyl, alkylaryl, alkylheteroaryl, aryl or heteroaryl; R1 is H or alkyl; R2 is aryl, heteroaryl, cycloalkyl or cycloalkenyl], which are useful in the treatment

and/or prevention of preterm labor, premature birth and dysmenorrhea. Thus, (2S)-I (R = CH2CHPhOH, R1 = Me, R2 = 2'-methyl-1,1-biphenyl-4-yl) was prepared from 4-hydroxy-L-proline by acylation with 2'-methyl-1,1-biphenyl-4-carbonyl chloride, oxidation with pyridine-sulfur trioxide complex, oxidation with H2NOMe.HCl, and amidation with 2-amino-1-phenylethanol.

IT 643001-53-OP
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:41436 CAPLUS
DOCUMENT NUMBER: 140:93917
TITLE: Preparation of pyrrolidine derivatives as oxytocin antagonists
INVENTOR(S): Jorand-Lebrun, Catherine; Dorbais, Jerome; Quattropani, Anna; Schwarz, Matthias; Valognes, Delphine
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N.V., Neth.
Antilles
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005249	A1	20040115	WO 2003-EP50286	20030704

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2487532 AA 20040115 CA 2003-2487532 20030704
AU 2003254498 A1 20040123 AU 2003-254498 20030704
BR 2003012586 A 20050412 BR 2003-12586 20030704
EP 1532109 A1 20050525 EP 2003-762692 20030704

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

CN 1678576 A 20051005 CN 2003-820401 20030704
JP 2005533828 T2 20051110 JP 2004-518783 20030704
NO 2005000612 A 20050203 NO 2005-612 20050203
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PRIORITY APPLN. INFO.: EP 2002-100784 A 20020705

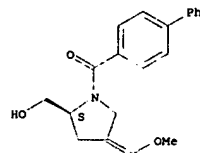
WO 2003-EP50286 W 20030704

OTHER SOURCE(S): MARPAT 140:93917

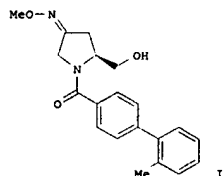
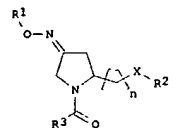
GI

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Preparation)
(method for prep. pyrrolidine oximes)
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title compds. I [R1 = H or alkyl; R2 = H, alkyl, (substituted)aryl, (substituted)heteroaryl, etc.; R3 = aryl or heteroaryl; X = O or (substituted)amino; n = 1-3] were prepared as oxytocin antagonists for

the prevention and/or treatment of preterm labor, premature birth or dysmenorrhea. Thus, reaction of 1-tert-butyl-2-Me (2S)-4-(methoxymino)-1,2-pyrrolidine-dicarboxylate (preparation given) with

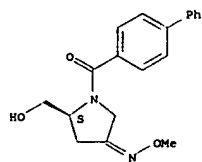
2'-methyl[1,1'-biphenyl]-4-carboxylic acid followed by hydrolysis and reduction gave compound II. The latter inhibits oxytocin mediated Ca2+-mobilization with IC50 = 0.03 μM. Pharmaceutical compns. containing I are described.

IT 643001-53-OP 643001-56-3P 643001-57-4P 643001-64-3P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of pyrrolidine derivs. as oxytocin antagonists)

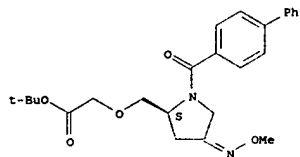
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



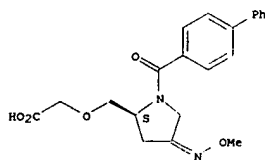
RN 643001-56-3 CAPLUS
CN Acetic acid, [[(2S)-1-((1,1'-biphenyl)-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



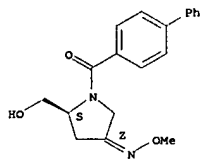
RN 643001-57-4 CAPLUS
CN Acetic acid, [[(2S)-1-((1,1'-biphenyl)-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



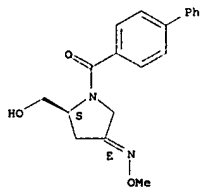
RN 643001-64-3 CAPLUS
CN 3-Pyrrolidinone, 5-(aminomethyl)-1-((1,1'-biphenyl)-4-ylcarbonyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



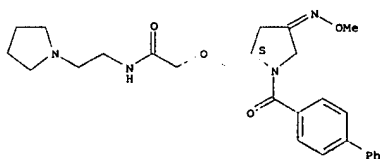
RN 643001-55-2 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-((4-methoxyphenyl)amino)methyl]-, 3-(O-methyloxime), (3E,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

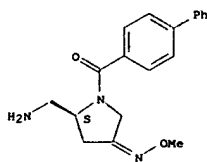


RN 643001-58-5 CAPLUS
CN Acetamide, 2-[[[(2S)-1-((1,1'-biphenyl)-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-N-[2-(1-pyrrolidinyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-59-6 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-(methoxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)



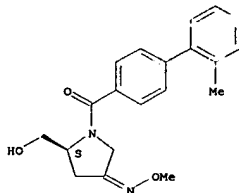
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643001-62-1P 643001-65-4P 643001-67-6P
643001-69-8P 643001-70-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrrolidine derivs. as oxytocin antagonists)

RN 643001-52-9 CAPLUS
CN 3-Pyrrolidinone, 5-(hydroxymethyl)-1-((2'-methyl[1,1'-biphenyl]-4-yl)carbonyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

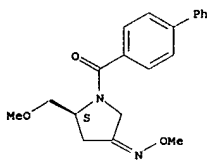
Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-54-1 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3Z,5S)- (9CI) (CA INDEX NAME)

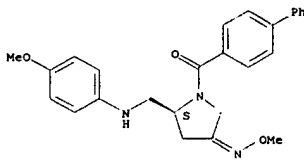
Absolute stereochemistry.
Double bond geometry as shown.

Absolute stereochemistry.
Double bond geometry unknown.



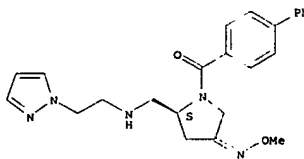
RN 643001-61-0 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-[[4-methoxyphenyl)amino)methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



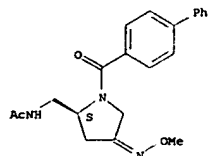
RN 643001-62-1 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-[[2-(1H-pyrazol-1-yl)ethyl)amino)methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



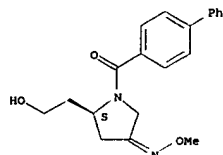
RN 643001-65-4 CAPLUS
CN Acetamide, N-[[[(2S)-1-((1,1'-biphenyl)-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



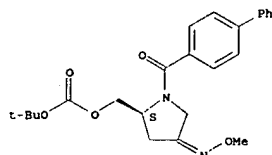
RN 643001-67-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(2-hydroxyethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



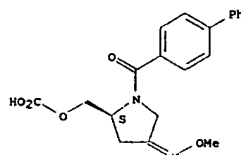
RN 643001-69-8 CAPLUS
CN Carbonic acid, [(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl)methyl 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



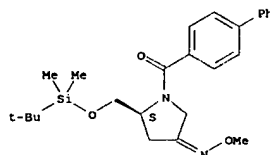
RN 643001-70-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-((carboxyoxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



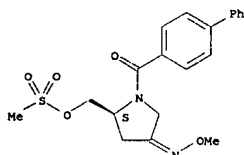
IT 643001-75-6P 643001-76-7P 643001-88-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-75-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[1,1'-dimethylethyl]dimethylsilyl]oxy]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



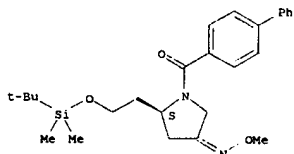
RN 643001-76-7 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[1,1'-dimethylethyl]dimethylsilyl]oxy]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-88-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[2-[[[1,1'-dimethylethyl]dimethylsilyl]oxy]ethyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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COST IN U.S. DOLLARS                SINCE FILE      TOTAL
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FULL ESTIMATED COST                12.98      180.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                     ENTRY      SESSION
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* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
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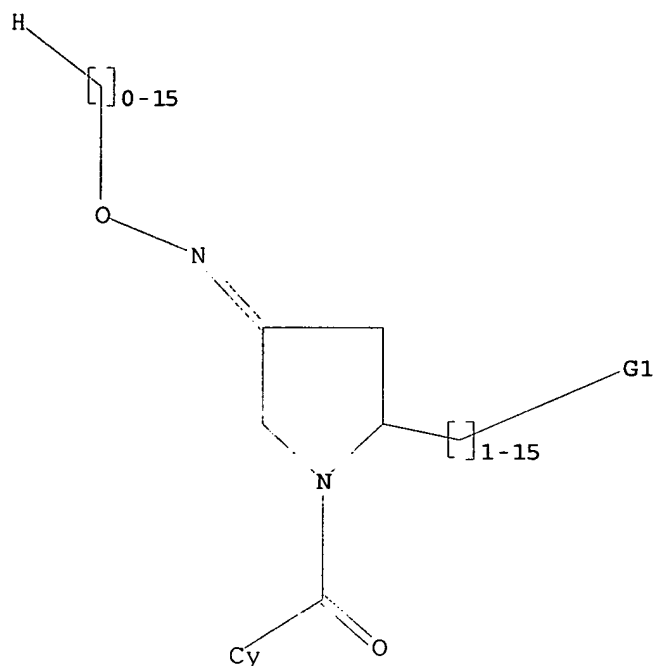
Structure search iteration limits have been increased. See HELP SLIMITS
 for details.

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L5 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 40 TO ITERATE

100.0% PROCESSED 40 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 421 TO 1179
PROJECTED ANSWERS: 11 TO 389

L6 10 SEA SSS SAM L5

=> s l1 full

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SEARCH TIME: 00.00.01

L7 18 SEA SSS FUL L1

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FULL ESTIMATED COST

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	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.50

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 FILE LAST UPDATED: 7 Apr 2006 (20060407/ED)

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L8 2 L7

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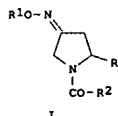
L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:977015 CAPLUS
DOCUMENT NUMBER: 143:267237
TITLE: Method for preparing pyrrolidine oximes
INVENTOR(S): Nadler, William; Pupowicz, Doris
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N. V., Neth.
Antilles
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082848	A2	20050909	WO 2005-EP50852	20050228
WO 2005082848	A3	20051201		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LG, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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PRIORITY APPLN. INFO.: EP 2004-100773 A 20040226

OTHER SOURCE(S): MARPAT 143:267237

GI



AB The invention relates to the synthesis of pyrrolidine oximes I [R is (un)substituted 3- or 5-oxadiazolyl, a carbamoyl group or (CH2)1-3-X-R3, where X is O or an imino group and R3 is H, alkyl, alkylaryl, alkylheteroaryl, aryl or heteroaryl; R1 is H or alkyl; R2 is aryl, heteroaryl, cycloalkyl or cycloalkenyl], which are useful in the

treatment and/or prevention of preterm labor, premature birth and dysmenorrhea. Thus, (2S)-I (R = CH2CHPhOH, R1 = Me, R2 = 2'-methyl-1,1-biphenyl-4-yl) was prepared from 4-hydroxy-L-proline by acylation with 2'-methyl-1,1-biphenyl-4-carbonyl chloride, oxidation with pyridine-sulfur trioxide complex, oximation with H2NOMe.HCl, and amidation with 2-amino-1-phenylethanol.

IT 643001-53-OP
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP

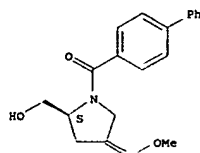
L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:41436 CAPLUS
DOCUMENT NUMBER: 140:93917
TITLE: Preparation of pyrrolidine derivatives as oxytocin antagonists
INVENTOR(S): Jorand-Lebrun, Catherine; Dorbais, Jerome; Quattropiani, Anna; Schwarz, Matthias; Valognes, Delphine
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N.V., Neth.
Antilles
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005249	A1	20040115	WO 2003-EP50286	20030704
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RM:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2487532	AA	20040115	CA 2003-2487532	20030704
AU 2003254498	A1	20040123	AU 2003-254498	20030704
BR 2003012586	A	20050412	BR 2003-12586	20030704
EP 1532109	A1	20050525	EP 2003-762692	20030704
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1678576	A	20051005	CN 2003-820401	20030704
JP 2005533828	T2	20051110	JP 2004-518783	20030704
NO 2005000612	A	20050203	NO 2005-612	20050203
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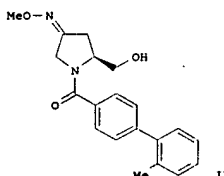
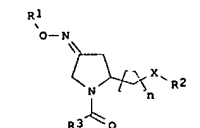
OTHER SOURCE(S): MARPAT 140:93917

GI

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Preparation)
(method for prep. pyrrolidine oximes)
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)-(9CI) (CA INDEX NAME)
Absolute stereochemistry.
Double bond geometry unknown.



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title compds. I [R1 = H or alkyl; R2 = H, alkyl, (substituted)aryl, (substituted)heteroaryl, etc.; R3 = aryl or heteroaryl; X = O or (substituted)amino; n = 1-3] were prepared as oxytocin antagonists for

the prevention and/or treatment of preterm labor, premature birth or dysmenorrhea. Thus, reaction of 1-tert-butyl-2-Me (2S)-4-(methoxyimino)-1,2-pyrrolidine-dicarboxylate (preparation given) with 2'-methyl[1,1'-biphenyl]-4-carboxylic acid followed by hydrolysis and reduction gave compound II.

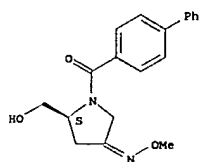
The latter inhibits oxytocin mediated Ca2+-mobilization with IC50 = 0.03 μM. Pharmaceutical compns. containing I are described.

IT 643001-53-OP 643001-56-3P 643001-57-4P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of pyrrolidine derivs. as oxytocin antagonists)

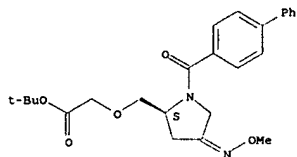
RN 643001-53-0 CAPLUS
CN 3-Pyrrolidinone, 1-((1,1'-biphenyl)-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



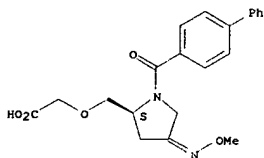
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CN Acetic acid, [[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



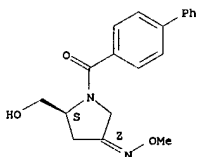
RN 643001-57-4 CAPLUS
CN Acetic acid, [[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



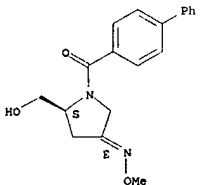
RN 643001-64-3 CAPLUS
CN 3-Pyrrolidinone, 5-(aminomethyl)-1-([1,1'-biphenyl]-4-ylcarbonyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



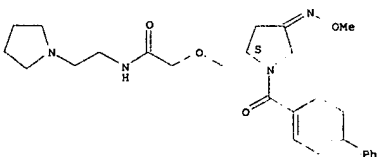
RN 643001-55-2 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3E,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

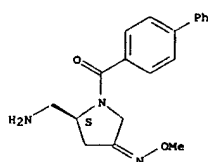


RN 643001-58-5 CAPLUS
CN Acetamide, 2-[[[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methoxy]-N-(2-(1-pyrrolidinyl)ethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-59-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(methoxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

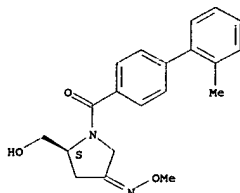


IT 643001-52-9P 643001-54-1P 643001-55-2P
643001-58-5P 643001-59-6P 643001-61-0P
643001-62-1P 643001-65-4P 643001-67-6P
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

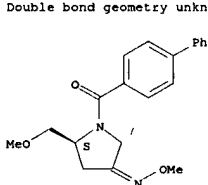
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-52-9 CAPLUS
CN 3-Pyrrolidinone, 5-(hydroxymethyl)-1-[(2'-methyl[1,1'-biphenyl]-4-yl)carbonyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



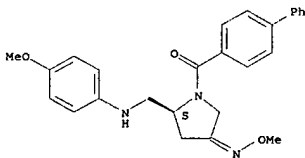
RN 643001-54-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(hydroxymethyl)-, 3-(O-methyloxime), (3Z,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



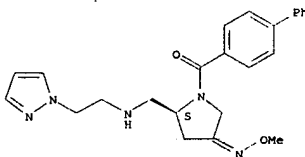
RN 643001-61-0 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[4-methoxyphenyl]amino]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



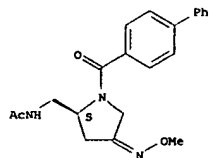
RN 643001-62-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[[[2-(1H-pyrazol-1-yl)ethyl]amino]methyl]-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



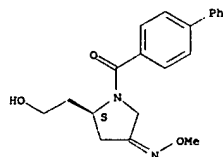
RN 643001-65-4 CAPLUS
CN Acetamide, N-[[[(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



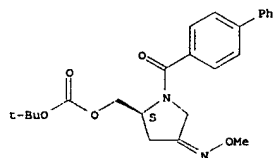
RN 643001-67-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-(2-hydroxyethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



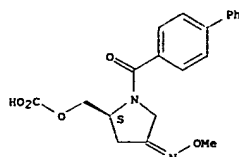
RN 643001-69-8 CAPLUS
CN Carbonic acid, [(2S)-1-([1,1'-biphenyl]-4-ylcarbonyl)-4-(methoxyimino)-2-pyrrolidinylmethyl 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



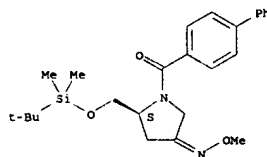
RN 643001-70-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-((carboxyoxymethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



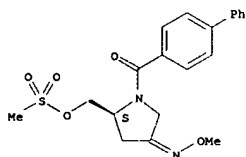
IT 643001-75-6P 643001-76-7P 643001-88-1P
RL: PCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolidine derivs. as oxytocin antagonists)
RN 643001-75-6 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-([[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



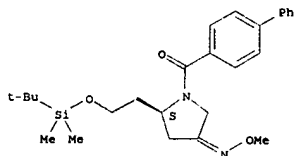
RN 643001-76-7 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-([[(methylsulfonyl)oxy]methyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 643001-88-1 CAPLUS
CN 3-Pyrrolidinone, 1-([1,1'-biphenyl]-4-ylcarbonyl)-5-[2-([[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl)-, 3-(O-methyloxime), (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	10.68	357.75
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.50	-3.00

STN INTERNATIONAL LOGOFF AT 10:37:07 ON 09 APR 2006